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12 March '98

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**Re: Enviro-Chem Superfund Site  
Monthly Construction Progress Report Number 3  
February 1998**

This Monthly Progress Report has been prepared in accordance with Section XII of the Consent Decree entered September 10, 1991, Number 83419C, U.S.D.C. District of Indiana.

**(1) Actions Taken Toward Achieving Compliance with Decree**

- a. Versar completed the liner systems for the four 150,000-gallon Storage Tanks T-1, T-2, T-3 and T-4. The cover for T-2 will be installed prior to operation (95 % Complete)
- b. Versar hydrostatically tested Tanks T-1 and T-3 (the PVC lined tanks) with 160,000 gallons of potable water.
- c. Versar installed 280 feet of 2-inch schedule 40 PVC pipe overland and transferred the contents of the three 21,000-gallon Frac tanks (standing water from the Southern Concrete Pad Area) into Storage Tank T-1. (100 % Complete)
- d. Versar completed the Preconstruction Test Drilling, with the exception of the pump test that was canceled. (80% Complete)
- e. Versar completed the following electrical activities: erected three power poles and strung overhead cable to supply 480 volt service to the process building, received and installed 600 amp disconnect switch, received, set and wired the main 480 volt main panel, motor control center, transformer and 220 volt panel in the Process Building, installed low voltage underground conduit from the Process Building to Tanks T-1, T-2 and T-4, and started installation of conduit support system in the Process Building. (60 % Complete)

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- f. Versar received the explosion proof lighting for the Process Building and S-1 tank, filter housing and water meters.
- g. Versar's on-site, full time Quality Control Officer, Chris Brown, CHMM started on 16 February.
- h. Versar issued the Final Environmental Conditions Report on 17 February. (100 % Complete)
- i. Versar conducted site Tours with USEPA, IDEM and Boone County Health Department on 3 February.
- j. Versar issued the Draft Baseline Air Monitoring Report on 23 February.
- k. Radian continued weekly conference calls with U.S.EPA, IDEM, Trustees and Versar on February 6<sup>th</sup>, 13<sup>th</sup>, 20<sup>th</sup> and 27<sup>th</sup>.

**(2) Validated Results and Other Data**

No validated data was generated during the month.

**(3) Additional Work Performed**

The work completed this month under Revised Exhibit A includes the steps identified in items (1) a through (1) k above. Photographic documentation can be found in attachment 1.

**(4) Anticipated Activities for Next Month**

- a. Power Company hook-up of permanent 480 volt service.
- b. Versar will receive and install the following Process Building equipment: PLC cabinet, shallow tray stripper and carbon units (880 and 13,000 lbs.), vacuum pumps and transfer pumps for the Storage Tanks as well as any miscellaneous outstanding equipment for the Process Building.
- c. Versar will start the trenching and installation yard piping.
- d. Versar will meet with USEPA and IDEM to discuss the preliminary findings of the Preconstruction Test Drilling activities.
- e. Versar will issue a geotechnical report summarizing the Preconstruction Test Drilling activities.

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- f. Versar will implement the work plan developed to treat the concentrated organics detected in the Southern Concrete Pad Area.
- g. Versar will issue a soil gas survey report summarizing the findings for the Southern Concrete Pad Area.
- h. Versar will complete the hydrostatic testing of Storage Tanks T-2 and T-4.

**(5) Problems & Resolution**

There are two problem items that are outstanding:

- a. Preconstruction Test drilling activities in the Southern Concrete Pad Area were completed and the data are undergoing analysis. Preliminary findings indicate that sheetpiling will not be required and that concentrated organics are present. The geotechnical report on the Preconstruction Test drilling activities will present a recommended excavation plan that eliminates sheetpiling. In addition, a work plan was developed to perform a pilot study and subsequently treat the concentrated organics in-situ. The work plan was submitted and approved (activities through the pilot study) by USEPA and IDEM on 5 March '98.
- b. The construction schedule needs to be updated to reflect the impact of the detection and treatment of the concentrated organics in the Southern Concrete Pad Area.

Photographs of site activities taken during the month are included in Attachment 1.

If you have any questions, please feel free to call me at (215) 788-7844, Extension 222.

Sincerely,



G. J. Anastos, Ph.D., P.E.  
Project Manager

attachments

cc:	D Basko (Versar)	J Freeman (DOJ)
	R Ball (ENVIRON)	C Gaffney (Versar)
	J Borucki (Versar)	R Hutchens (ENVIRON)
	N Bernstein (NEB & A)	J Kyle, III (B & T)
	M Dowiak (Radian)	G Scarpone (Handex)

**Attachment 1**  
**Site Photographs**



**Photograph # 1 - Installed liner system in Storage Tank T-1.**



**Photograph # 2 - Overland piping used to transfer ponded water stored in the Frac Tanks to Storage Tank T-1.**



**Photograph # 3 - Preconstruction Test Drilling Activities**



**Photograph # 4 - New permanent power overhead lines.**



**Photograph # 5 - Process Building Motor Control Center, Transformer, and Power Panel  
(from left to right).**